

Claims:

1. Thickened aqueous acidic hard surface cleaning and disinfecting composition
5 with film forming properties which comprises (preferably consists essentially of):
one or more nonionic surfactants, particularly linear primary alcohol ethoxylates;
one or more quaternary ammonium surfactant compounds having germicidal
properties;
an acid constituent based on one or more water soluble organic acids, particularly
10 water soluble organic acids selected from the group consisting of: formic acid,
citric acid, mixtures of formic acid with citric acid, and oxalic acid;
a cellulose based thickening composition;
a film-forming, organosilicone quaternary ammonium compound;
optionally but desirably a pH adjusting agent,
15 optionally one or more further conventional optional constituents including pH
buffering agents, perfumes, perfume carriers, colorants, hydrotropes, germicides,
fungicides, anti-oxidants, anti-corrosion agents, fragrances, coloring agents;
and, water.
- 20 2. The composition according to claim 1 wherein the acid constituent consists solely
of oxalic acid.
3. The composition according to claim 1 wherein the acid constituent consists solely
of a mixture of citric acid and formic acid.
- 25 4. A composition according to claim 1 comprising:
0.1 - 10%wt. of one or more nonionic surfactants, particularly linear primary
alcohol ethoxylates;
0.1 - 3%wt. one or more quaternary ammonium surfactant compounds having
germicidal properties;
30 0.1 - 15%wt. of an acid constituent based on one or more water soluble organic
acids, particularly water soluble organic acids selected from the group consisting

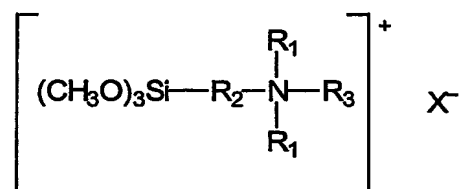
of: formic acid, citric acid, mixtures of formic acid with citric acid, and oxalic acid;

0.1 – 5%wt. a cellulose based thickening composition;

0.01 - 5%wt. a film-forming, organosilicone quaternary ammonium compound;

5 up to 10%wt. of one or more of a pH adjusting agent, fragrance, or coloring agent; and, water.

- 10 5. A composition according to claims 1 – 4 wherein the organosilicone quaternary ammonium compounds are those which may be represented by the following structural representation:



wherein:

15 R_1 and R_2 each independently represent short chain alkyl or alkenyl groups, preferably C_1 – C_8 alkyl or alkenyl groups;

R_3 represents a C_{11} – C_{22} alkyl group; and

X represents a salt forming counterion, especially a halogen.

- 20 6. A composition according to claims 1 – 5 wherein the composition exhibits a pH of less than about 4.5